

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously amended): An optical switch for switching light signals coming from three input fibers among three output fibers, comprising:

a collimator aligning with each of the input and output fibers for collimating input or output light; and

a moveable switching element comprising:

a three-surface mirror having three reflecting surfaces; and

three reflectors, one mounted opposite each reflecting surface of the three-surface mirror; whereby, the switching element is moveable between three different positions, and when light signals are transmitting from the input fibers, they transmit directly to a corresponding output fiber, or are reflected between one reflecting surface and one reflector to be output by one of the other two output fibers.

Claim 2 (original): The optical switch as claimed in claim 1, wherein the switching element is able to move into or out of or to rotate within a space surrounded by the collimators.

Claim 3 (original): The optical switch as claimed in claim 2, wherein each one input fiber is opposite to one corresponding output fiber, whereby light beams from each one input fiber can be output by the corresponding opposite output fiber when the switching element is in one of its three positions.

Claim 4 (original): The optical switch as claimed in claim 1, further comprising a driver, which drives the switching element to move between its three positions.

Claim 5 (previously amended): An optical switch for switching light signals, comprising:

a plurality of input optical fibers;

a plurality of output optical fibers;

a collimator aligning with each of the input and output fibers for collimating input or output light; and

a moveable switching element comprising four reflectors, wherein the four reflectors are parallel to each other, light signals from the plurality of input fibers are transmitted to the corresponding output fibers respectively, the switching element is moveable between three different positions, and the light signals of each of the input fibers are transmitted to different of the plurality of output fibers when the switching element is at different of the three positions, and whereby when the light signals are transmitted from the input fibers, they transmit directly to a corresponding output fiber, or are reflected between two of the four reflectors to be output by one of the other two output fibers.

Claim 6 (original): The optical switch as claimed in claim 5, wherein the four reflectors are able to move into or out of or to rotate within a space surrounded by the collimators.

Claim 7 (previously amended): The optical switch as claimed in claim 6, wherein one input fiber is aligned with one opposite output fiber, and light beams from one input fiber can be output by a corresponding opposite output fiber in each of the three different positions of the switching element.

Claim 8 (previously amended): The optical switch as claimed in claim 5, further comprising a driver, which drives the switching element to move between

the three positions.

Claim 9 (currently amended): An optical switch for switching light signals, comprising:

at least two input optical fibers;

at least two output optical fibers;

at least two main reflecting surfaces, each main reflecting surface being in an optical path between one of the input fibers and one of the output fibers; and

at least two secondary reflecting surfaces, each secondary reflecting surface being substantially parallel to one of the main reflecting surfaces to connect an optical path from one of the input optical fibers to one of the output optical fibers, wherein when the switch is provided, light beams from the input optical fiber reflect once off the main reflecting surface, then reflect once off the secondary reflecting surface, then reflect a second time off the main reflecting surface, and then are output by the output optical fiber, and each of the input optical fibers is coupled to a different one of the output optical fibers when the optical switch changes between at least two positions.

Claim 10 (canceled)

Claim 11 (canceled)

Claim 12 (currently amended): A multi-channel optical switch comprising:

plural pairs of input ports and output ports substantially at equal intervals arranged along a circumference surrounding at least a moveable multi-channel switch therein;

said multi-channel switch providing a plurality of reflecting surfaces; wherein when no switch is provided, light coming from one input port leaves from the corresponding output port which is aligned with said input port diametrically; and when the said multi-channel switch is provided, at least one reflected some

respective light coming from at least one input port ~~leaves from~~ is reflected to the corresponding output port, which is a neighbor of said at least one input port, ~~via at least one reflection on at least one of said reflecting surfaces and some respective~~ light coming from at least another input port is directly transmitted to the corresponding output port.

Claim 13 (previously amended): The multi-channel optical switch as claimed in claim 12, wherein there are at least three pairs of input ports and output ports evenly arranged along the circumference.

Claim 14 (previously amended): The multi-channel optical switch as claimed in claim 12, wherein the reflected light experiences three reflections via said switch before entering the corresponding neighboring output port.

Claim 15 (previously amended): The multi-channel optical switch as claimed in claim 12, wherein the input ports and the output ports are alternately arranged along said circumference.

Claim 16 (canceled)

Claim 17 (canceled)